

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\  
 Data File : VY000477.D  
 Acq On : 29 Oct 2019 16:15  
 Operator : SY/MD  
 Sample : K5587-01RE  
 Misc : 4.94G/5ML/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA-2-1-9-2RE

Quant Time: Oct 30 07:49:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 17 02:03:07 2019  
 Response via : Initial Calibration

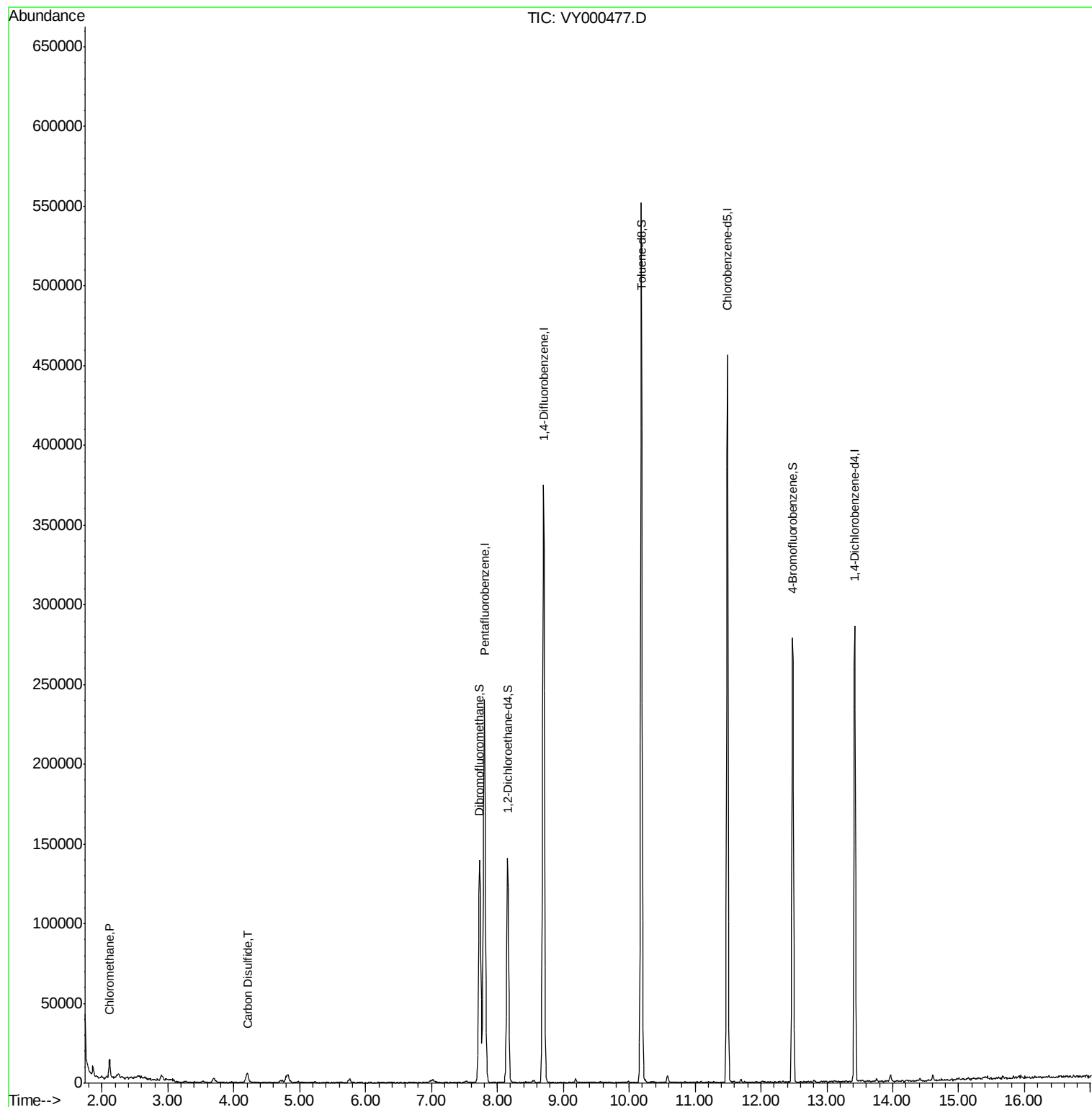
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 183681   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 312751   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 243745   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 70968    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 108716   | 56.11 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.22% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 96459    | 51.13 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.26% |          |
| 50) Toluene-d8              | 10.19 | 98   | 354763   | 48.89 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.78%  |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 83346    | 30.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 60.46%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 3) Chloromethane            | 2.11  | 50   | 10639    | 4.740 | ug/l #  | 87       |
| 17) Carbon Disulfide        | 4.20  | 76   | 11545    | 1.977 | ug/l #  | 95       |

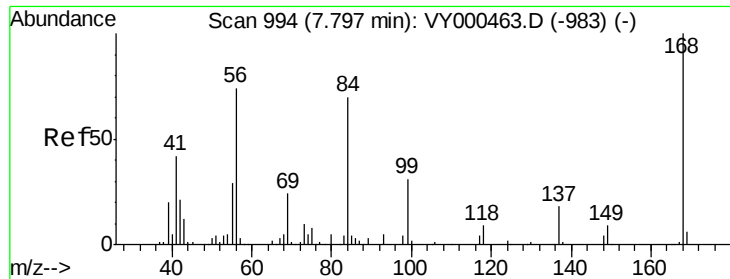
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000477.D

Acq: 29 Oct 2019 16:15

Instrument :

MSVOA\_Y

ClientSampleId :

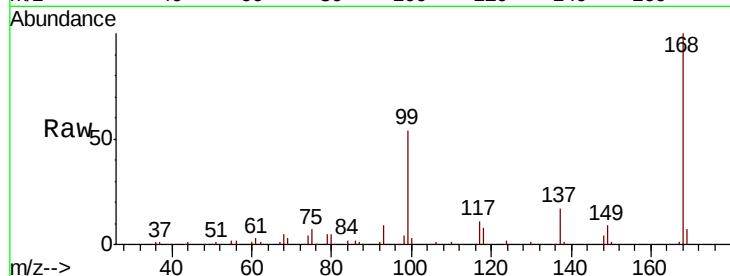
CSA-2-1-9-2RE

Tot Ion:168 Resp: 183681

Ion Ratio Lower Upper

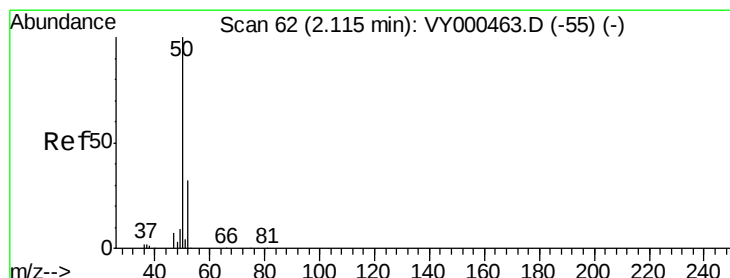
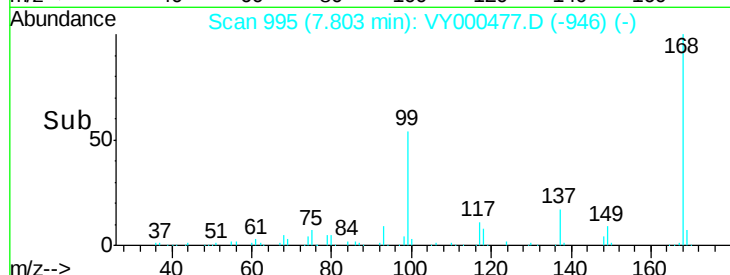
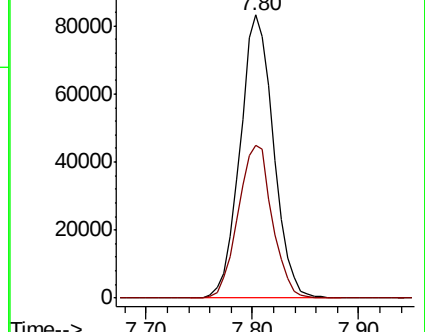
168 100

99 54.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000463.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000463.D (-983) (-)



#3

Chloromethane

Concen: 4.740 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000477.D

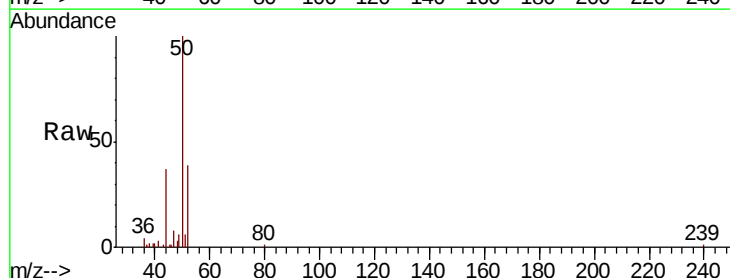
Acq: 29 Oct 2019 16:15

Tgt Ion: 50 Resp: 10639

Ion Ratio Lower Upper

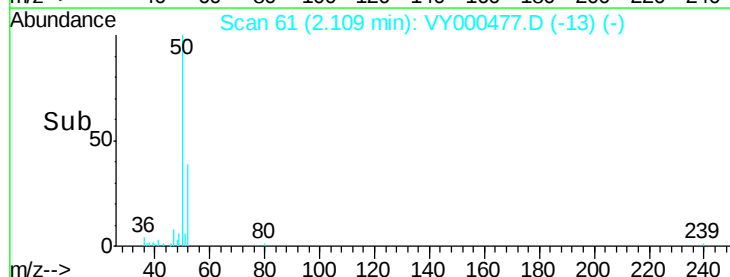
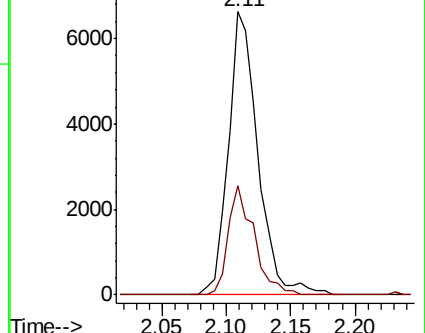
50 100

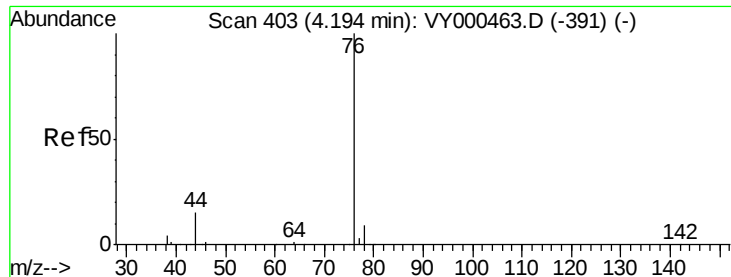
52 38.8 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000463.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY000463.D (-55) (-)

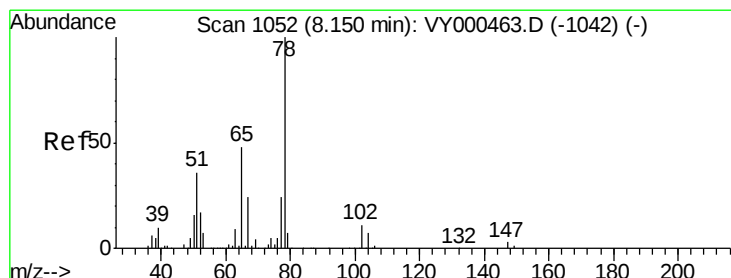
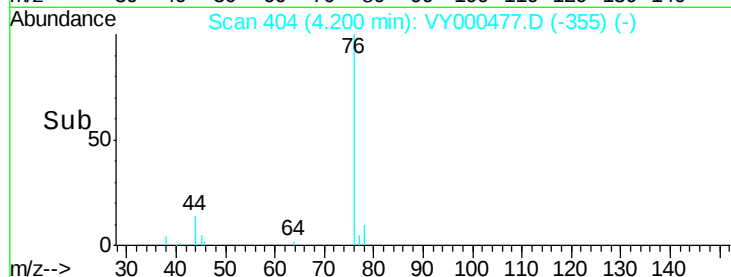
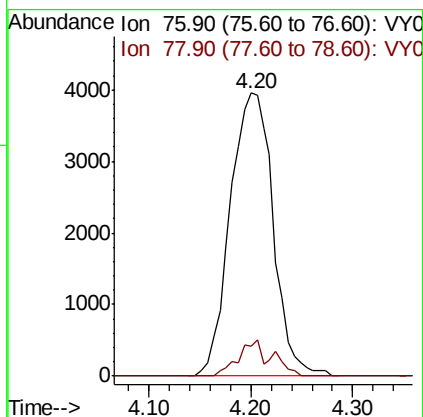
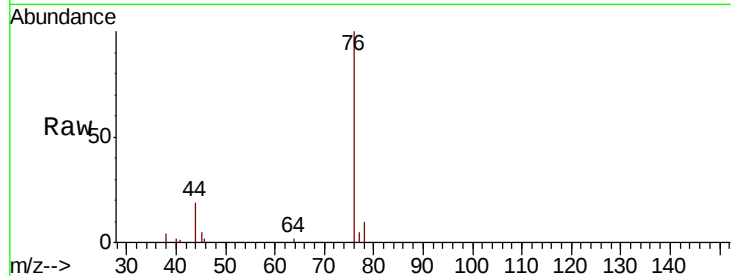




#17  
Carbon Disulfide  
Concen: 1.977 ug/l  
RT: 4.20 min Scan# 404  
Delta R.T. -0.00 min  
Lab File: VY000477.D  
Acq: 29 Oct 2019 16:15

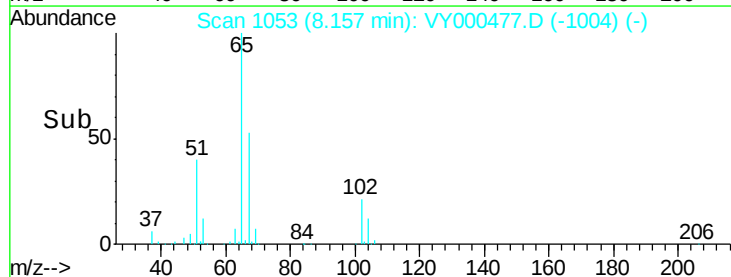
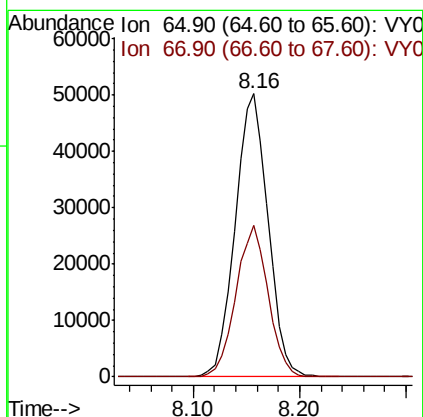
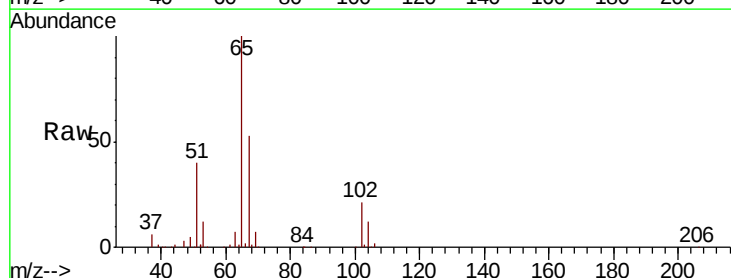
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MSVOA\_Y  
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CSA-2-1-9-2RE

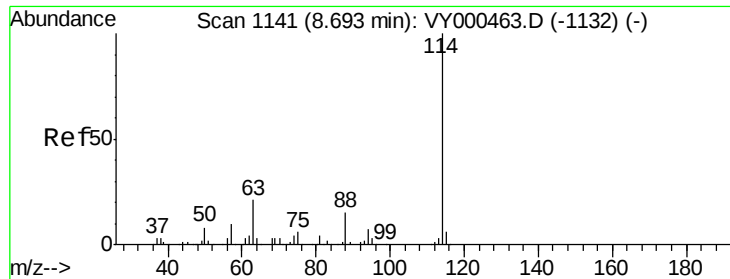
Tot Ion: 76 Resp: 11545  
Ion Ratio Lower Upper  
76 100  
78 10.5 7.0 10.4#



#33  
1,2-Dichloroethane-d4  
Concen: 56.110 ug/l  
RT: 8.16 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VY000477.D  
Acq: 29 Oct 2019 16:15

Tgt Ion: 65 Resp: 108716  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 109.4

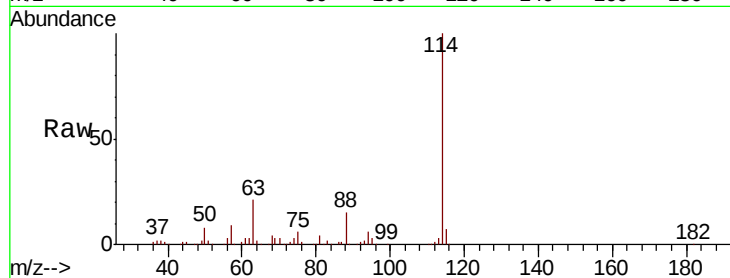




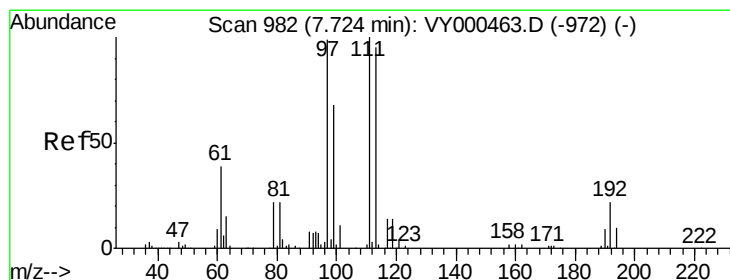
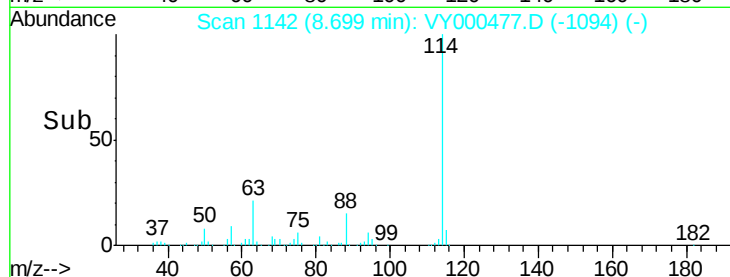
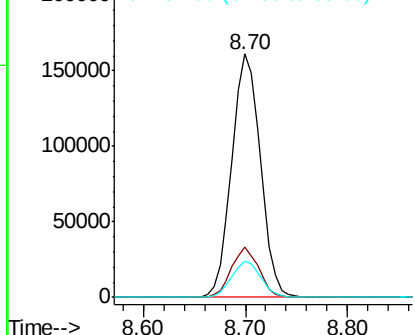
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.70 min Scan# 1142  
Delta R.T. -0.01 min  
Lab File: VY000477.D  
Acq: 29 Oct 2019 16:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CSA-2-1-9-2RE

Tot Ion:114 Resp: 312751  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 37.2  
88 14.6 0.0 30.2

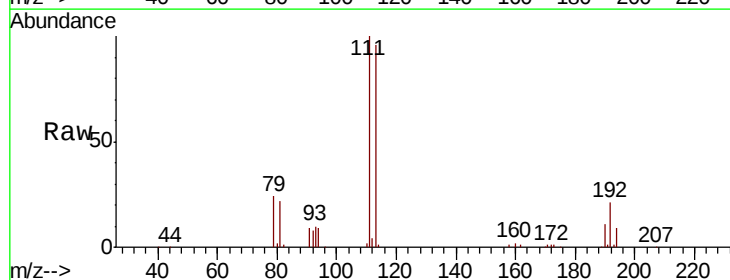


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VY0  
Ion 87.90 (87.60 to 88.60): VY0

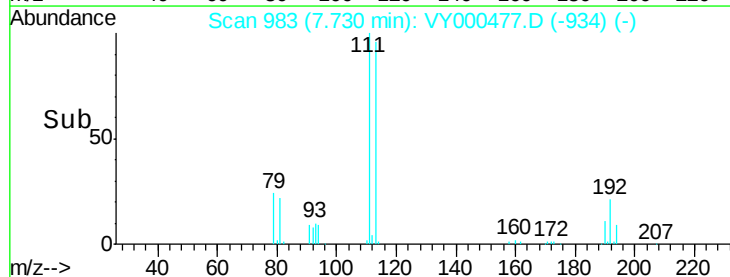
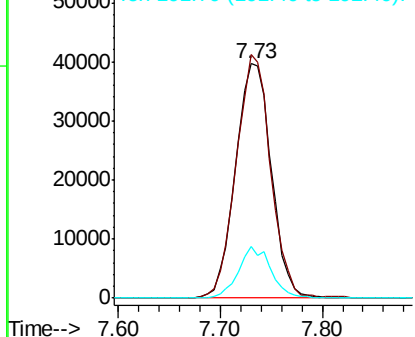


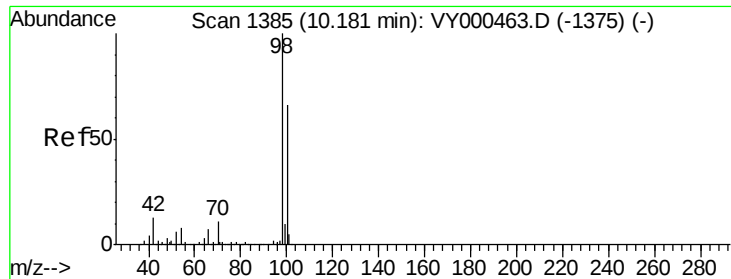
#35  
Dibromofluoromethane  
Concen: 51.130 ug/l  
RT: 7.73 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: VY000477.D  
Acq: 29 Oct 2019 16:15

Tgt Ion:113 Resp: 96459  
Ion Ratio Lower Upper  
113 100  
111 99.8 81.6 122.4  
192 20.0 15.3 22.9



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

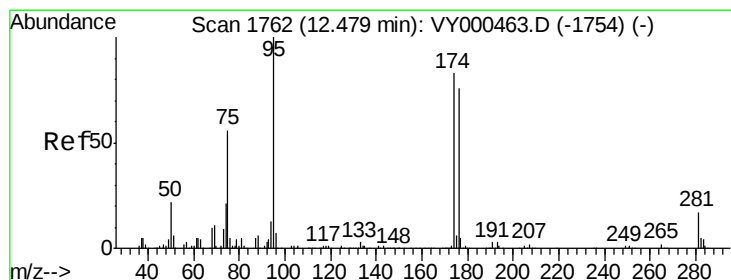
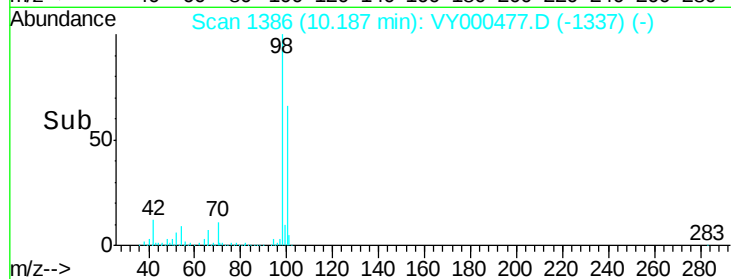
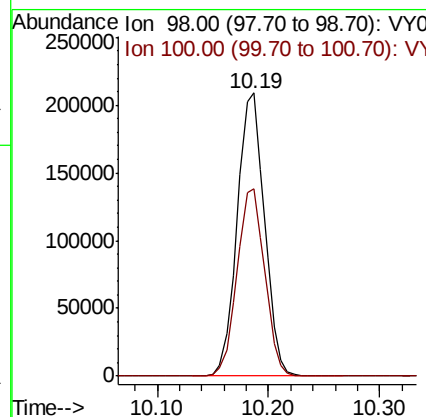
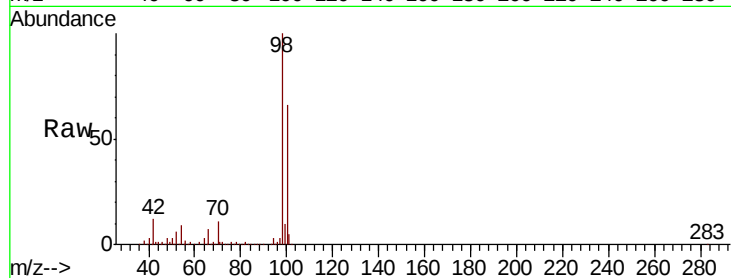




#50  
Toluene-d8  
Concen: 48.885 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. -0.00 min  
Lab File: VY000477.D  
Acq: 29 Oct 2019 16:15

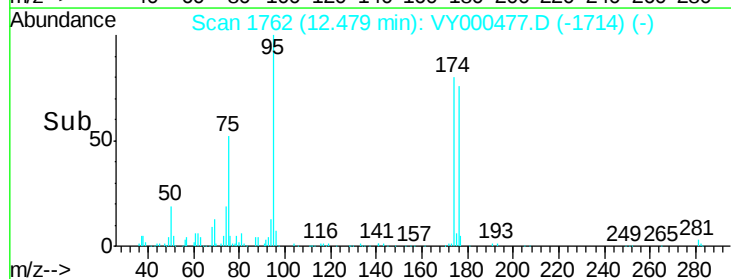
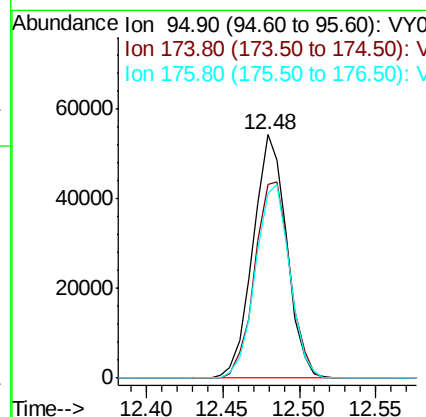
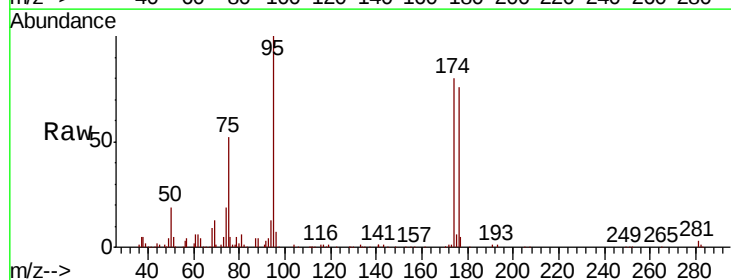
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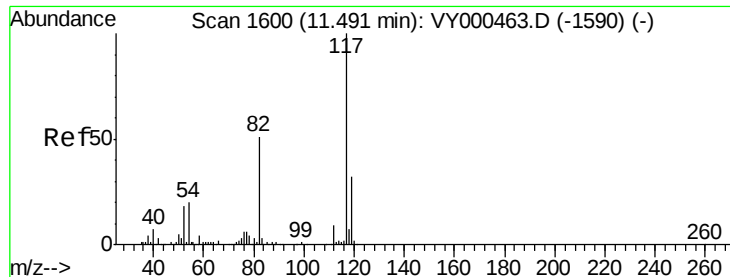
Tot Ion: 98 Resp: 354763  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 30.230 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.01 min  
Lab File: VY000477.D  
Acq: 29 Oct 2019 16:15

Tgt Ion: 95 Resp: 83346  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 159.6  
176 81.0 0.0 153.8

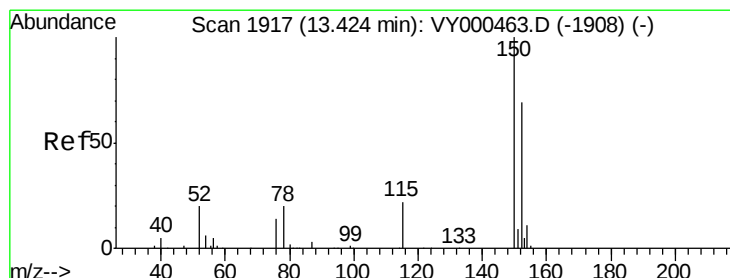
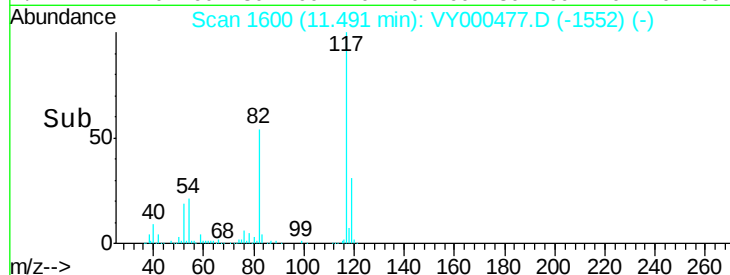
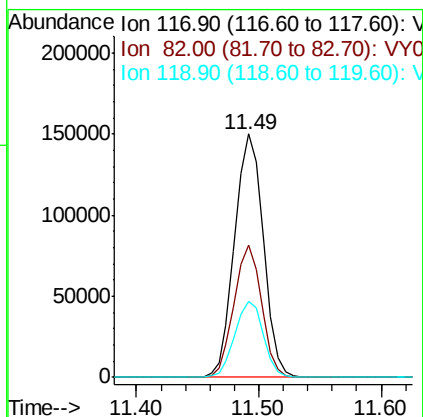
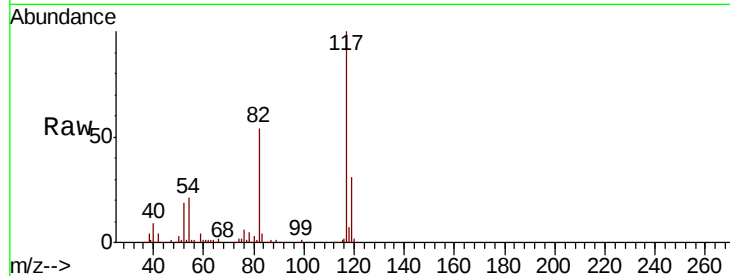




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY000477.D  
Acq: 29 Oct 2019 16:15

Instrument :  
MSVOA\_Y  
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CSA-2-1-9-2RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.4  | 43.7  | 65.5  |
| 119     | 31.0  | 26.6  | 39.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY000477.D  
Acq: 29 Oct 2019 16:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.0  | 29.3  | 88.0  |
| 150     | 154.9 | 0.0   | 348.4 |

